



TFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/674,386  
Applicant : Ronny Schneider  
Filed : October 1, 2003  
TC/A.U. : 2816  
Examiner : Unknown  
Docket No. : 0928.0066C  
Customer No. : 27896  
Title : Auto Detection of Soft Errors in Latches

TRANSMITTAL LETTER

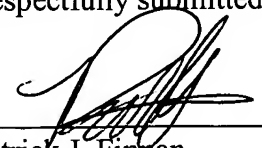
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing in the subject application are a Revocation of Power of Attorney or Authorization of Agent Form (1 page); Copy of Assignment document (2 pages); Power of Attorney or Authorization of Agent Form (1 page); and a Statement Under 37 CFR 3.73(b) (1 page).

The Commissioner is hereby authorized to charge payment of any additional fees required for the above-identified application or credit any overpayment to Deposit Account No. 05-0460..

Respectfully submitted,

  
Patrick J. Finnman  
Registration No. 39,189

Hand-delivered: September 23, 2004



PTO/SB/82 (09-03)  
Approved for use through 11/30/2005. OMB 0651-0035  
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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/674,386
Filing Date	October 1, 2003
First Named Inventor	Ronny Schneider
Art Unit	2816
Examiner Name	Unknown
Attorney Docket Number	0928.0066C

I hereby revoke all previous powers of attorney given in the above-identified application.

☒ A Power of Attorney is submitted herewith.

OR

☐ I hereby appoint the practitioners associated with the Customer Number:

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

27896

OR

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name

Infineon Technologies AG

Signature

I.U. PGG

I.V. Gindembo

Date

Sept. 10, 2004

Telephone

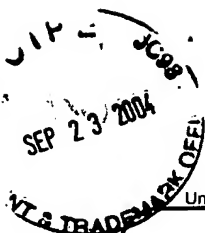
0049/89 234-28413

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/81 (09-03)  
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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/674,386
Filing Date	October 1, 2003
First Named Inventor	Ronny Schneider
Title	Automatically Detecting of Soft Errors in Latches of Integrated
Art Unit	2816
Examiner Name	Unknown
Attorney Docket Number	0928.0066C

I hereby appoint:

☒ Practitioners associated with the Customer Number:

27896

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name Infineon Technologies AG

Signature *[Signature]*

Date Sept. 16, 2004

Telephone 0049/89-234 28413

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/96 (08-03)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Ronny Schneider

Application No./Patent No.: 10/674,386 Filed/Issue Date: October 1, 2003

Entitled: System and Method for Automatically-Detecting Soft Errors in Latches of an Integrated Circuit

Infineon Technologies AG, a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Ronny Schneider To: Infineon Technologies North America Corp  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014562 Frame 0840, or for which a copy thereof is attached.
2. From: Infineon Tech NA Corp. To: Infineon Technologies AG  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014716 Frame 0270, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[✓] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Sept. 16, 2004  
Date  
0049/89 234-28413  
Telephone number

Ms. Post Ms. Girstenbreu  
Typed or printed name  
i.v. Post i.v. Girstenbreu  
Signature

b6th authorized Patentadminstrator  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

INFINEON DOCKET NO. 2003P52321US  
O.C. DOCKET NO. INF-108

### ASSIGNMENT

For good and valuable consideration, I, Ronny SCHNEIDER, hereinafter referred to as "Assignor"

Hereby sell, assign and transfer to Infineon Technologies North America Corp., a corporation organized and existing under the state laws of Delaware, having its principal place of business at 1730 North First Street, San Jose, CA, 95112, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and filed herewith, entitled:

#### SYSTEM AND METHOD FOR AUTOMATICALLY-DETECTING SOFT ERRORS IN LATCHES OF AN INTEGRATED CIRCUIT

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any applications or Letters Patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular country (such as, without limitation, the right of priority provided by the International

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O.C. DOCKET NO. INF-108

Convention for the Protection of Industrial Property, as amended) and to invoke and claim said rights without further written or oral authorization from Assignor.

Assignor hereby consents that a copy of this ASSIGNMENT shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and more particularly in proof of the right of Assignee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended.

Assignor hereby authorizes and request Assignee to fill in the following blanks specifying the United States Serial No. and filing date for said application above identified:

U.S. Serial No.: \_\_\_\_\_  
Filed: \_\_\_\_\_

but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this ASSIGNMENT.

Assignor hereby authorizes and requests the Commissioner of Patents and the United States Patent and Trademark Office to issue Letters Patent to Assignee in accordance with the terms of this ASSIGNMENT.

SIGNATURE: Ronny Schneider  
NAME: RONNY SCHNEIDER

Date: 09/29/03



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 10, 2004

PTAS



\*500000772A\*

HEATHER ROWLAND  
3000 CENTREGREEN WAY  
CARY, NC 27513

IFNA / CPC IC P  
RECEIVED

JUN 14 2004

DUE:

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/10/2004

REEL/FRAME: 014716/0270  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

INFINEON TECHNOLOGIES NORTH  
AMERICA CORP.

DOC DATE: 06/09/2004

## ASSIGNEE:

INFINEON TECHNOLOGIES AG  
ST.-MARTIN-STR. 53  
MUNICH, FED REP GERMANY 81669

SERIAL NUMBER: 10674177 2003P52606US

FILING DATE: 09/29/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: RANDOM ACCESS MEMORY WITH POST-AMBLE DATA STROBE SIGNAL NOISE  
REJECTION

SERIAL NUMBER: 10675549 2003P52595US

FILING DATE: 09/30/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: ECHO CLOCK ON MEMORY SYSTEM HAVING WAIT INFORMATION

014716/0270 PAGE 2

SERIAL NUMBER: 10673626 *2003P5240005* FILING DATE: 09/29/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: MEMORY DEVICE WITH A FLEXIBLE REDUCED DENSITY OPTION

SERIAL NUMBER: 10672120 *2003P5259905* FILING DATE: 09/26/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: MEMORY DEVICE HAVING MULTIPLE ARRAY STRUCTURE FOR INCREASED  
BANDWIDTH

SERIAL NUMBER: 10672118 *2003P5241005* FILING DATE: 09/26/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: RANDOM ACCESS MEMORY HAVING DRIVER FOR REDUCED LEAKAGE CURRENT

SERIAL NUMBER: 10453226 *2002P5020305* FILING DATE: 06/02/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTITHREADED PROCESSOR WITH MULTIPLE CACHES

SERIAL NUMBER: 10690538 *2004P5047805* FILING DATE:  
PATENT NUMBER: ISSUE DATE:  
TITLE:

SERIAL NUMBER: 10674386 *2003P5232105* FILING DATE: 10/01/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEM AND METHOD FOR AUTOMATICALLY-DETECTING SOFT ERRORS IN  
LATCHES OF AN INTEGRATED CIRCUIT

SERIAL NUMBER: 10678837 *2003P5273405* FILING DATE: 10/03/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: LDMOS TRANSISTOR

SERIAL NUMBER: 10253909 *2002P1355505* FILING DATE: 09/25/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: MODULATION CODING BASED ON AN ECC INTERLEAVE STRUCTURE

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS